

# Clemente Capasso

## List of Publications by Citations

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77,848  
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#	Paper	IF	Citations
1363	Carbonic anhydrases: novel therapeutic applications for inhibitors and activators. <i>Nature Reviews Drug Discovery</i> , <b>2008</b> , 7, 168-81	64.1	2297
1362	Interfering with pH regulation in tumours as a therapeutic strategy. <i>Nature Reviews Drug Discovery</i> , <b>2011</b> , 10, 767-77	64.1	1146
1361	Carbonic anhydrase inhibitors. <i>Medicinal Research Reviews</i> , <b>2003</b> , 23, 146-89	14.4	1062
1360	Multiple binding modes of inhibitors to carbonic anhydrases: how to design specific drugs targeting 15 different isoforms?. <i>Chemical Reviews</i> , <b>2012</b> , 112, 4421-68	68.1	889
1359	Targeting tumor hypoxia: suppression of breast tumor growth and metastasis by novel carbonic anhydrase IX inhibitors. <i>Cancer Research</i> , <b>2011</b> , 71, 3364-76	10.1	563
1358	Anticancer and antiviral sulfonamides. <i>Current Medicinal Chemistry</i> , <b>2003</b> , 10, 925-53	4.3	557
1357	Hypoxia activates the capacity of tumor-associated carbonic anhydrase IX to acidify extracellular pH. <i>FEBS Letters</i> , <b>2004</b> , 577, 439-45	3.8	556
1356	Carbonic anhydrase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 3467-74	2.9	538
1355	Carbonic anhydrases: current state of the art, therapeutic applications and future prospects. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2004</b> , 19, 199-229	5.6	532
1354	Structure and function of carbonic anhydrases. <i>Biochemical Journal</i> , <b>2016</b> , 473, 2023-32	3.8	524
1353	Natural products in drug discovery: advances and opportunities. <i>Nature Reviews Drug Discovery</i> , <b>2021</b> , 20, 200-216	64.1	522
1352	How many carbonic anhydrase inhibition mechanisms exist?. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 345-60	5.6	485
1351	Structure-based drug discovery of carbonic anhydrase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2012</b> , 27, 759-72	5.6	483
1350	Carbonic anhydrases as targets for medicinal chemistry. <i>Bioorganic and Medicinal Chemistry</i> , <b>2007</b> , 15, 4336-50	3.4	462
1349	Non-zinc mediated inhibition of carbonic anhydrases: coumarins are a new class of suicide inhibitors. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3057-62	16.4	400
1348	Crystal structure of the catalytic domain of the tumor-associated human carbonic anhydrase IX. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 16233-8	11.5	399
1347	Carbonic anhydrases--an overview. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 603-14	3.3	397

1346	Ureido-substituted benzenesulfonamides potently inhibit carbonic anhydrase IX and show antimetastatic activity in a model of breast cancer metastasis. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 1896-902	8.3	391
1345	Unexpected nanomolar inhibition of carbonic anhydrase by COX-2-selective celecoxib: new pharmacological opportunities due to related binding site recognition. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 550-7	8.3	381
1344	Recent developments in targeting carbonic anhydrase IX for cancer therapeutics. <i>Oncotarget</i> , <b>2012</b> , 3, 84-97	3.3	325
1343	Targeting tumor-associated carbonic anhydrase IX in cancer therapy. <i>Trends in Pharmacological Sciences</i> , <b>2006</b> , 27, 566-73	13.2	321
1342	Protease inhibitors of the sulfonamide type: anticancer, antiinflammatory, and antiviral agents. <i>Medicinal Research Reviews</i> , <b>2003</b> , 23, 535-58	14.4	320
1341	Deciphering the mechanism of carbonic anhydrase inhibition with coumarins and thiocoumarins. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 335-44	8.3	311
1340	Advances in structure-based drug discovery of carbonic anhydrase inhibitors. <i>Expert Opinion on Drug Discovery</i> , <b>2017</b> , 12, 61-88	6.2	298
1339	An overview of the alpha-, beta- and gamma-carbonic anhydrases from Bacteria: can bacterial carbonic anhydrases shed new light on evolution of bacteria?. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 325-32	5.6	279
1338	Discovery of a new family of carbonic anhydrases in the malaria pathogen <i>Plasmodium falciparum</i> --the $\beta$ -carbonic anhydrases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 4389-4396	2.9	258
1337	Carbonic anhydrase inhibitors. Synthesis of water-soluble, topically effective, intraocular pressure-lowering aromatic/heterocyclic sulfonamides containing cationic or anionic moieties: is the tail more important than the ring?. <i>Journal of Medicinal Chemistry</i> , <b>1999</b> , 42, 2641-50	8.3	250
1336	Carbonic anhydrase activators: X-ray crystallographic and spectroscopic investigations for the interaction of isozymes I and II with histamine. <i>Biochemistry</i> , <b>1997</b> , 36, 10384-92	3.2	246
1335	Carbonic anhydrase inhibitors and activators for novel therapeutic applications. <i>Future Medicinal Chemistry</i> , <b>2011</b> , 3, 1165-80	4.1	240
1334	Carbonic anhydrase inhibitors: E7070, a sulfonamide anticancer agent, potently inhibits cytosolic isozymes I and II, and transmembrane, tumor-associated isozyme IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 217-23	2.9	235
1333	Antiglaucoma carbonic anhydrase inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 705-16	6.8	232
1332	Applications of carbonic anhydrase inhibitors and activators in therapy. <i>Expert Opinion on Therapeutic Patents</i> , <b>2002</b> , 12, 217-242	6.8	228
1331	Biochemical characterization of CA IX, one of the most active carbonic anhydrase isozymes. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 27799-27809	5.4	224
1330	Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005 - 2013). <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 681-91	6.8	218
1329	The role of carbonic anhydrase 9 in regulating extracellular and intracellular pH in three-dimensional tumor cell growths. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 20299-310	5.4	218

1328	Exploiting the hydrophobic and hydrophilic binding sites for designing carbonic anhydrase inhibitors. <i>Expert Opinion on Drug Discovery</i> , <b>2013</b> , 8, 793-810	6.2	215
1327	Antiobesity carbonic anhydrase inhibitors: a literature and patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 725-35	6.8	213
1326	Sulfa and trimethoprim-like drugs - antimetabolites acting as carbonic anhydrase, dihydropteroate synthase and dihydrofolate reductase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 379-87	5.6	212
1325	A small-molecule drug conjugate for the treatment of carbonic anhydrase IX expressing tumors. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4231-5	16.4	210
1324	Carbonic anhydrase inhibitors: SAR and X-ray crystallographic study for the interaction of sugar sulfamates/sulfamides with isozymes I, II and IV. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 841-5	2.9	209
1323	Anticancer carbonic anhydrase inhibitors: a patent review (2008 - 2013). <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 737-49	6.8	208
1322	Glycosyl coumarin carbonic anhydrase IX and XII inhibitors strongly attenuate the growth of primary breast tumors. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 8271-7	8.3	201
1321	Bacterial carbonic anhydrases as drug targets: toward novel antibiotics?. <i>Frontiers in Pharmacology</i> , <b>2011</b> , 2, 34	5.6	201
1320	Carbonic anhydrase inhibitors. Inhibition of the transmembrane isozyme XII with sulfonamides-a new target for the design of antitumor and antiglaucoma drugs?. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 963-9	2.9	199
1319	Highly active antiretroviral therapy: current state of the art, new agents and their pharmacological interactions useful for improving therapeutic outcome. <i>Current Pharmaceutical Design</i> , <b>2005</b> , 11, 1805-43	3.3	199
1318	Dithiocarbamates strongly inhibit carbonic anhydrases and show antiglaucoma action in vivo. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 1721-30	8.3	195
1317	Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols. <i>Bioorganic and Medicinal Chemistry</i> , <b>2009</b> , 17, 3207-11	3.4	194
1316	Diuretics: from classical carbonic anhydrase inhibitors to novel applications of the sulfonamides. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 641-8	3.3	194
1315	Anti-infective carbonic anhydrase inhibitors: a patent and literature review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 693-704	6.8	192
1314	Carbonic anhydrase in the scleractinian coral <i>Stylophora pistillata</i> : characterization, localization, and role in biomineralization. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 25475-25484	5.4	192
1313	Carbonic anhydrase inhibitors. Design of fluorescent sulfonamides as probes of tumor-associated carbonic anhydrase IX that inhibit isozyme IX-mediated acidification of hypoxic tumors. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 4834-41	8.3	192
1312	Carbonic anhydrase inhibitors. Inhibition of mammalian isoforms I-XIV with a series of natural product polyphenols and phenolic acids. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 2159-2164	3.4	190
1311	Characterization of CA XIII, a novel member of the carbonic anhydrase isozyme family. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 2719-27	5.4	187

1310	Carbonic anhydrase inhibitors: X-ray and molecular modeling study for the interaction of a fluorescent antitumor sulfonamide with isozyme II and IX. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 8329-35	16.4	186
1309	Polyamines inhibit carbonic anhydrases by anchoring to the zinc-coordinated water molecule. <i>Journal of Medicinal Chemistry</i> , <b>2010</b> , 53, 5511-22	8.3	184
1308	Selective hydrophobic pocket binding observed within the carbonic anhydrase II active site accommodate different 4-substituted-ureido-benzenesulfonamides and correlate to inhibitor potency. <i>Chemical Communications</i> , <b>2010</b> , 46, 8371-3	5.8	180
1307	The Warburg Effect and the Hallmarks of Cancer. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2017</b> , 17, 164-170	2.2	179
1306	Carbonic anhydrase inhibitors as anticonvulsant agents. <i>Current Topics in Medicinal Chemistry</i> , <b>2007</b> , 7, 855-64	3	178
1305	Structure and inhibition of the CO <sub>2</sub> -sensing carbonic anhydrase Can2 from the pathogenic fungus <i>Cryptococcus neoformans</i> . <i>Journal of Molecular Biology</i> , <b>2009</b> , 385, 1207-20	6.5	176
1304	The alpha and beta classes carbonic anhydrases from <i>Helicobacter pylori</i> as novel drug targets. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 622-30	3.3	175
1303	Sulfocoumarins (1,2-benzoxathiine-2,2-dioxides): a class of potent and isoform-selective inhibitors of tumor-associated carbonic anhydrases. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 293-300	8.3	174
1302	(In)organic anions as carbonic anhydrase inhibitors. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 111, 117-29	4.2	173
1301	Imaging of CA IX with fluorescent labelled sulfonamides distinguishes hypoxic and (re)-oxygenated cells in a xenograft tumour model. <i>Radiotherapy and Oncology</i> , <b>2009</b> , 92, 423-8	5.3	173
1300	Tumor-associated carbonic anhydrase 9 spatially coordinates intracellular pH in three-dimensional multicellular growths. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 20473-83	5.4	172
1299	Carbonic anhydrases as drug targets--an overview. <i>Current Topics in Medicinal Chemistry</i> , <b>2007</b> , 7, 825-33	3	171
1298	Carbonic anhydrase inhibitors: interactions of phenols with the 12 catalytically active mammalian isoforms (CA I-XIV). <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 1583-7	2.9	170
1297	Carbonic anhydrase inhibitors: inhibition of isozymes I, II, and IX with triazole-linked O-glycosides of benzene sulfonamides. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 1651-7	8.3	169
1296	Sulfamates and their therapeutic potential. <i>Medicinal Research Reviews</i> , <b>2005</b> , 25, 186-228	14.4	169
1295	Sulfonamides: a patent review (2008 - 2012). <i>Expert Opinion on Therapeutic Patents</i> , <b>2012</b> , 22, 747-58	6.8	167
1294	Carbonic anhydrase inhibitors. Zonisamide is an effective inhibitor of the cytosolic isozyme II and mitochondrial isozyme V: solution and X-ray crystallographic studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 2315-20	2.9	166
1293	Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 640-50	8.3	164

1292	Carbonic anhydrase inhibitors. The mitochondrial isozyme VB as a new target for sulfonamide and sulfamate inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 7860-6	8.3	161
1291	Inhibition of carbonic anhydrase IX targets primary tumors, metastases, and cancer stem cells: Three for the price of one. <i>Medicinal Research Reviews</i> , <b>2018</b> , 38, 1799-1836	14.4	159
1290	In vitro inhibition of carbonic anhydrase isozymes by some phenolic compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 4259-62	2.9	158
1289	In Vitro inhibition of human carbonic anhydrase I and II isozymes with natural phenolic compounds. <i>Chemical Biology and Drug Design</i> , <b>2011</b> , 77, 494-9	2.9	154
1288	Bacterial, fungal and protozoan carbonic anhydrases as drug targets. <i>Expert Opinion on Therapeutic Targets</i> , <b>2015</b> , 19, 1689-704	6.4	153
1287	Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2009</b> , 24 Suppl 1, 1-39	5.6	153
1286	Therapeutic potential of sulfamides as enzyme inhibitors. <i>Medicinal Research Reviews</i> , <b>2006</b> , 26, 767-92	14.4	153
1285	A novel class of carbonic anhydrase inhibitors: glycoconjugate benzene sulfonamides prepared by "click-tailing". <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 6539-48	8.3	153
1284	Carbonic Anhydrase Inhibition and the Management of Hypoxic Tumors. <i>Metabolites</i> , <b>2017</b> , 7,	5.6	151
1283	Carbonic anhydrase IX: Biochemical and crystallographic characterization of a novel antitumor target. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2010</b> , 1804, 404-9	4	151
1282	Carbonic anhydrase inhibitors: stacking with Phe131 determines active site binding region of inhibitors as exemplified by the X-ray crystal structure of a membrane-impermeant antitumor sulfonamide complexed with isozyme II. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 5721-7	8.3	150
1281	Dithiocarbamates: a new class of carbonic anhydrase inhibitors. Crystallographic and kinetic investigations. <i>Chemical Communications</i> , <b>2012</b> , 48, 1868-70	5.8	149
1280	Modulation of carbonic anhydrase activity and its applications in therapy. <i>Expert Opinion on Therapeutic Patents</i> , <b>2004</b> , 14, 667-702	6.8	148
1279	Carbonic anhydrase inhibitors: synthesis of water-soluble, topically effective intraocular pressure lowering aromatic/heterocyclic sulfonamides containing 8-quinoline-sulfonyl moieties: is the tail more important than the ring?. <i>Bioorganic and Medicinal Chemistry</i> , <b>1999</b> , 7, 2397-406	3.4	148
1278	Carbonic anhydrase inhibitors: the beta-carbonic anhydrase from <i>Helicobacter pylori</i> is a new target for sulfonamide and sulfamate inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 3585-94	2.9	146
1277	Indisulam: an anticancer sulfonamide in clinical development. <i>Expert Opinion on Investigational Drugs</i> , <b>2003</b> , 12, 283-7	5.9	146
1276	Carbonic anhydrase inhibitors: synthesis of water-soluble, aminoacyl/dipeptidyl sulfonamides possessing long-lasting intraocular pressure-lowering properties via the topical route. <i>Journal of Medicinal Chemistry</i> , <b>1999</b> , 42, 3690-700	8.3	146
1275	Saccharin inhibits carbonic anhydrases: possible explanation for its unpleasant metallic aftertaste. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7697-9	16.4	145



1274	Carbonic anhydrase inhibitors. Design of selective, membrane-impermeant inhibitors targeting the human tumor-associated isozyme IX. <i>Journal of Medicinal Chemistry</i> , <b>2004</b> , 47, 2337-47	8.3	145
1273	Specific inhibition of carbonic anhydrase IX activity enhances the in vivo therapeutic effect of tumor irradiation. <i>Radiotherapy and Oncology</i> , <b>2011</b> , 99, 424-31	5.3	144
1272	Nonaromatic sulfonamide group as an ideal anchor for potent human carbonic anhydrase inhibitors: role of hydrogen-bonding networks in ligand binding and drug design. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 3583-7	8.3	144
1271	7,8-disubstituted- but not 6,7-disubstituted coumarins selectively inhibit the transmembrane, tumor-associated carbonic anhydrase isoforms IX and XII over the cytosolic ones I and II in the low nanomolar/subnanomolar range. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 7255-8	2.9	143
1270	Carbonic anhydrase inhibitors and activators and their use in therapy. <i>Expert Opinion on Therapeutic Patents</i> , <b>2006</b> , 16, 1627-1664	6.8	143
1269	New strategies for targeting the hypoxic tumour microenvironment in breast cancer. <i>Cancer Treatment Reviews</i> , <b>2013</b> , 39, 171-9	14.4	142
1268	In vitro inhibition of salicylic acid derivatives on human cytosolic carbonic anhydrase isozymes I and II. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 9101-5	3.4	142
1267	Carbonic anhydrase inhibitors: clash with Ala65 as a means for designing inhibitors with low affinity for the ubiquitous isozyme II, exemplified by the crystal structure of the topiramate sulfamide analogue. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 7024-31	8.3	142
1266	Direct extracellular interaction between carbonic anhydrase IV and the human NBC1 sodium/bicarbonate co-transporter. <i>Biochemistry</i> , <b>2003</b> , 42, 12321-9	3.2	142
1265	Carbonic anhydrase inhibitors: the first selective, membrane-impermeant inhibitors targeting the tumor-associated isozyme IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 869-73	2.9	140
1264	Carbonic anhydrase inhibitors - Part 49: Synthesis of substituted ureido and thioureido derivatives of aromatic/heterocyclic sulfonamides with increased affinities for isozyme I. <i>European Journal of Medicinal Chemistry</i> , <b>1998</b> , 33, 83-93	6.8	139
1263	Carbonic anhydrase inhibitors as emerging drugs for the treatment of obesity. <i>Expert Opinion on Emerging Drugs</i> , <b>2008</b> , 13, 383-92	3.7	139
1262	Carbonic anhydrase inhibitors as emerging agents for the treatment and imaging of hypoxic tumors. <i>Expert Opinion on Investigational Drugs</i> , <b>2018</b> , 27, 963-970	5.9	139
1261	A new approach to antiglaucoma drugs: carbonic anhydrase inhibitors with or without NO donating moieties. Mechanism of action and preliminary pharmacology. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2012</b> , 27, 138-47	5.6	138
1260	Imaging the hypoxia surrogate marker CA IX requires expression and catalytic activity for binding fluorescent sulfonamide inhibitors. <i>Radiotherapy and Oncology</i> , <b>2007</b> , 83, 367-73	5.3	138
1259	Carbonic anhydrases in anthozoan corals-A review. <i>Bioorganic and Medicinal Chemistry</i> , <b>2013</b> , 21, 1437-50	5.4	137
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1257	Carbonic anhydrase inhibitors: DNA cloning and inhibition studies of the alpha-carbonic anhydrase from <i>Helicobacter pylori</i> , a new target for developing sulfonamide and sulfamate gastric drugs. <i>Journal of Medicinal Chemistry</i> , <b>2006</b> , 49, 2117-26	8.3	137

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- 1255 Carbonic anhydrase inhibitors: water-soluble 4-sulfamoylphenylthioureas as topical intraocular pressure-lowering agents with long-lasting effects. *Journal of Medicinal Chemistry*, **2000**, 43, 4884-92 8.3 137
- 1254 The Eclass carbonic anhydrases as drug targets for antimalarial agents. *Expert Opinion on Therapeutic Targets*, **2015**, 19, 551-63 6.4 135
- 1253 Carbonic anhydrase inhibitors. Antioxidant polyphenols effectively inhibit mammalian isoforms I-XV. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5050-3 2.9 135
- 1252 Carbonic anhydrase inhibitors in the treatment and prophylaxis of obesity. *Expert Opinion on Therapeutic Patents*, **2003**, 13, 1545-1550 6.8 135
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- 1250 Sulfonamides and their isosters as carbonic anhydrase inhibitors. *Future Medicinal Chemistry*, **2014**, 6, 1149-65 4.1 133
- 1249 Carbonic anhydrase inhibitors. Inhibition of tumor-associated isozyme IX by halogenosulfanilamide and halogenophenylaminobenzolamide derivatives. *Journal of Medicinal Chemistry*, **2003**, 46, 2187-96 8.3 133
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- 1244 Carbonic anhydrase inhibitors: novel sulfonamides incorporating 1,3,5-triazine moieties as inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 3102-8 2.9 129
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- 1240 Carbonic anhydrase inhibitors: perfluoroalkyl/aryl-substituted derivatives of aromatic/heterocyclic sulfonamides as topical intraocular pressure-lowering agents with prolonged duration of action. *Journal of Medicinal Chemistry*, **2000**, 43, 4542-51 8.3 128
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1237	Metal-Based Antibacterial and Antifungal Agents: Synthesis, Characterization, and In Vitro Biological Evaluation of Co(II), Cu(II), Ni(II), and Zn(II) Complexes With Amino Acid-Derived Compounds. <i>Bioinorganic Chemistry and Applications</i> , <b>2006</b> , 2006, 83131	4.2	124
1236	Antimetastatic effect of sulfamate carbonic anhydrase IX inhibitors in breast carcinoma xenografts. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 5591-600	8.3	123
1235	Carbonic anhydrase activators. Activation of isozymes I, II, IV, VA, VII, and XIV with L- and D-histidine and crystallographic analysis of their adducts with isoform II: engineering proton-transfer processes within the active site of an enzyme. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 7057-66	4.8	122
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